Meeting Description: Michigan Geographic Framework Users Meeting
Date: June 8, 2000 **Time:** 10:00 a.m.
Location: Lewis Cass Bldg., 1st Floor, Dept. of Management and Budget Large Conference Room

I.   Approval of May Meeting Minutes

II.   Geographic Framework Program
   A. Michigan Information Center (MIC) Project Update
      1. Phase 2 / Seaming Status
   Rob Surber, MIC, distributed a current status map and reported that there are different types of seaming along county lines. It takes on an average of 2-3 days to complete a county. There are 3 people assigned to this task. The MIC has reintegrated 62 counties that have been worked on by Michigan State Industries (MSI). The Upper Peninsula is completely reintegrated and available to people. There are 4 counties remaining in Phase 2 – expect completion of Livingston and Macomb counties mid-summer, Wayne and Oakland counties by the end of the summer. Three people are assigned to work on Wayne County.
      2. Polygon Build / Act 51 Update
   Rob Surber, MIC, distributed a current status map for the 1999 Act 51 and Polygon Update.   MIC is updating any new roads, Act 51 changes, and polygons - county commissioner districts, census tracts, census block groups, school districts, American Indian reservations, and legislative districts. MIC has already built polygons for Minor Civil Divisions (MCD), villages, precincts, etc. All polygon fields and data will be closed up and corrected. It will be sent out as part of the deliverable. The seamed product with Act 51 updates and polygon attributes will all be delivered as Version 1 of the framework. In addition to this, as part of completion, the MIC is generating a Framework Classification Code (FCC) attribute with the deliverable. A handout had previously been distributed describing how the framework themes could be built from the existing themes both in Tiger and MIRIS. The code is being generated at the time of the creation of the deliverable. At this time, they are only going as far in the hierarchy as it is safe to do at this time.
   Everett Root, MIC, added that the FCC assigned would be derived from the framework data.
   Rob Surber, MIC, stated that the MIC wanted to have a derived single field that is no worse than what is on Tiger or MIRIS at the time.
   Everett Root, MIC, added that the roads would be more detailed because they are using some of the MDOT classification fields.
   Rob Surber, MIC, commented that the order of hierarchy priority was indicated in handout. The deliverable will show this order.
    Joyce Newell, Michigan Department of Transportation (MDOT), asked if it is possible to use a theme code to develop a boundary map.
   Rob Surber, MIC, responded that attributes would be needed to develop a map.
   Bill Enslin, MSU, commented that the Themer Program should be checked against the FCC to find differences.
   Rob Surber, MIC, stated that MIC has also added additional Metadata fields: address ranges, flags to indicate locally observed address range, as working on capturing information, fields referencing 1990 and also 2000 boundaries (once 2000 Census data is available). There will be a 'Snapshot In Time, April 1, 2000' of political boundaries, addresses, roads, etc. The data will then be available for comparison for annexations. There are annexations that have slipped through the cracks and have not come from the Great Seal before April 1 and will be backdated. Rob met with MDEQ and one of the action items was the repositioning of shorelines. MDEQ's Land & Water Management Division gave feedback about repositioning of shorelines, and more specifically the Great Lake shoreline. Other than mean water level, there is no comprehensive Great Lake shoreline standard that can be used for mapping from digital ortho

photography. The Land & Water Division would like the opportunity to review some of the "difficult to interpret" areas on a case by case basis. Hopefully a set of interpretation rules can be established that will guide the mapping throughout the project. These difficult areas include coastal wetlands, high erosion areas, manmade land docks, built-up roadbeds, channels, and river mouths. Once decision rules have been formulated, the MIC will present these to this group. If anyone would like more information on this effort, please contact Rob.

III.   Michigan Department of Natural Resources (MDNR) Projects and Activities
     Sherm Hollander, MDNR, reported that they are involved with United States Geological Survey (USGS) in getting state funding in the mix with federal funding for the production of digital ortho quads (DOQs). MDNR has a proposal to get funds to complete coverage for areas of the state that don't have coverage. They have been negotiating with several federal agencies to get funding. Funding problems with the Natural Resource Conservation Service had held up the proposal. Those efforts have been put on hold and MDNR is drafting an agreement with USGS. The plan has been submitted to the USGS's contracts office.
        Eric Swanson, MIC, asked if the legislature has approved the authorization of spending federal dollars.
        Sherm Hollander, MDNR, responded that at this time they have not.
        Rob Surber, MIC, asked how long until the state would start to see the products.
        Sherm Hollander, MDNR, responded that it would be at least a year for all ortho's to be available and that they plan to break areas into blocks of 2-3 counties in size. Starting later this year, they will be fed on a flow basis. The order would depend on USGS's priorities. MDNR wants to get the Upper Peninsula completed. NRCS has a priority in southwest Michigan. Plan to start with those areas and fill in.
        Eric Swanson, MIC, commented this would create a statewide product and creates storage distribution and access issues (internal, external, networks, servers and capacity) that need to start thinking about now.

IV.   Michigan Department of Transportation (MDOT) Projects and Activities
     Gil Chesbro, MDOT, reported that MDOT is continuing experiments with Oracle Spatial. Oracle has developed a way to store spatial data that most geographic information system (GIS) vendors can read. MDOT has been somewhat successful in populating the spatial tables. They are getting the same error each time. They are working with Oracle to resolve the problem with indexes with the Metadata tables and will be sent a script or a program to allow a work around. If this works, then MDOT will go ahead with the startup program before they pay the service fee to install. MDOT has spent 3 months trying to get Oracle Spatial to work. Gil offered to demonstrate to the group when it is working.
     Joyce Newell, MDOT, reported that MDOT is continuing with attribution and sending maps to county road commissions.

V.   Michigan Department of Environmental Quality (MDEQ) Projects and Activities
     Steve Miller, MDEQ, reported that MDEQ has been working on loading ArcSDE. They have loaded the statewide all-road coverage and are having some problems. They will be continuing to work on it. The have ArcIMS, which is much simpler to use and will make it easier to get information. MDEQ is going to sign the license agreement and having purchased ArcIMS, they are getting an upgrade for free. There is an annual maintenance fee based on the number of processors this is running on. MDEQ is being charged $7000/year for maintenance for 4 processors. ArcIMC gives significant improvements.

VI.   Michigan State Police (MSP) Projects and Activities
     Eric Nischan, MSP Emergency Management Division, reported that they have resolved budget issues. They are going ahead with ArcIMS sharing shape files on the intranet for department and division use. This will allow them to spring forward with the rest of their project once funding is available. The intranet application will make data available to the entire department so staff will have the resources to do basic mapping. MSP is trying to promote GIS as an analytical mapping tool within the department. Will

also start the process to set up 'real time' state level emergency response with GIS management capabilities. Nuclear power plants will be the first because they have received a lot of federal money and MSP needs to connect to the Federal Response Action Team. Eric is creating data pertaining to nuclear power plants. He is working to update the data and make it fit into the structure of what they want to accomplish. Eventually would like to have floor plans and site plans, but do not at this time. MSP wants to purchase ArcIMS and a server. There is a MSP spending freeze, but there are federal disaster funds available. They are also establishing a GIS coordinating group within MSP.

VII.   Michigan State Industries (MSI) Projects and Activities
    Carol Woodman, MSI, distributed a current status map. MSI finished the work for St. Clair and Lapeer Counties. They have received Saginaw, Kent, Jackson Counties and are 60%-70% done with the work for those counties. They are adding new roads to 3 counties that MDOT had already worked on and ran into a problem but should have complete within the next couple of days. They are waiting for the CD for 5 other counties. MSI has 10 workers now.

VIII.   MIC Projects and Activities
    A. GIS Awareness Campaign
        1. Clearinghouse / Web Survey Update
    Rob Surber, MIC, displayed a map that was at the IMAGIN conference. There were 606 responses from people interested in being part of clearinghouse survey. Many people started the survey and will continue it. There are some basic reporting capabilities. Rob encouraged people to enter information. Comments at the conference were that the survey was pretty straightforward. Responses were entered on the initial survey on the themes, that information has been transferred and you can continue with the additional questions. Call Dan Metzger, MIC, if you have questions.

    B. School District Mapping
    Rob Surber, MIC, displayed a school district work plot. The school districts have agreed to participate in an update of school district boundaries and identify all school building locations. School district boundary information is provided on plat maps. The updated information will be integrated back into the framework. Rob noted that this is a work map. The Intermediate School District (ISD) Association is spearheading this project. At this time the project is only for public schools. MIC purchased high-end plotters that have high resolution and use permanent pigment and inks.

    C. 9-1-1 Conference
    Rob Surber, MIC, reported that he presented initial draft language at the 9-1-1 Conference for address authority legislation. The language identifies a process to establish contacts throughout the state for address authority clearinghouses. Counties have been indicating that they are having problems working with jurisdictions or 9-1-1 groups without standards. County commissioners will work with those actually assigning the addresses. There will be a master file of addresses throughout the state. This will be a big step for the state's GIS integration work.

IX.   Regional Projects and Activities
    Laura Tschirhart, Tri-County Regional Planning Commission, reported that they are still waiting for socio economic data for the Land Use Update Project. The project completion date has been extended.

X.   MSU Center for Remote Sensing and GIS Projects and Activities
    Bill Enslin, MSU, reported that they are continuing to work with the construction of statewide views. There is trouble getting roads, lakes, and some polygon files into SDE. The preprocessor checks for topology. These were cases where MSU had to take the counties in the condition they were in where lakes, cities, and Minor Civil Divisions (MCDs) were not structured properly. MSU is cleaning up to get

into SDE. MSU (with MDEQ) money has constructed a dynamic link library for doing coordinate conversion between Michigan GeoRef and latitude and longitude. MDEQ wants to hook into ArcIMS to point on Michigan GeoRef screen and get latitude and longitude. Bill has begun to build into the viewer to provide the same capability. It is now performing in the viewer and Steve Miller, MDEQ, will check it out and then will try in the ArcIMS application as well.

Steve Miller, MDEQ, commented that EPA requires that MDEQ store information by latitude longitude degrees. MDEQ wants to bring maps up with statewide ground water database and will do onscreen digitizing with digital topo versions. Then want to click on a point and populate databases directly in lat/long. Now it is displayed as Michigan GeoRef and wants to be able to also see lat/long.

XI.   County / Local Projects and Activities

Jay Graham, Meridian Township, reported that they are continuing to work on their base map making the 2000 land splits. They are working with Okemos and Haslett schools who have expressed an interest in a map – Jay will tell them about MIC's school district mapping project. Meridian Township is still waiting to purchase ArcView.

Rob Surber, MIC, suggested that Jay have Okemos and Haslett school districts contact Rob if they are interested in participating on the project.

XII.   Federal Projects and Activities
        Nobody in attendance.

XIII.   Other Issues

Bill Enslin, MSU, commented that if they get DOQs, he assumes that paved/unpaved roads could be identified off aerials, repositioning would involve a lot of handwork so this would be a good time to add paved/unpaved road data.

Joyce Newell, MDOT, added that for their Federal reporting it would be helpful to also note how many lanes each road has.

Eric Swanson, MIC, commented that even if the management system is put into legislation with RoadSoft adopting framework as their base to collect county data from and MDOT using framework as their base to collect state level data, it would happen any way but maybe not be systematic statewide.

Gil Chesbro, MDOT, commented that there would have to be a joint understanding of the definition of the language.

Eric Swanson, MIC, commented that some collection of road data would occur throughout the state due to the state GIS partnerships with counties and local governments. However, this wouldn't necessarily create a systematic statewide product. The ideal situation would be for legislation to put into effect so that local and state data collection would on the same referencing system in the Michigan Geographic Framework.

Gil Chesbro, MDOT, commented that GIS Day is approaching, November15. MDOT is willing to host it again if another agency is not interested.

Eric Swanson, MIC, stated that it would be ideal if the entire GIS community came together and MDOT could facilitate.

Rob Surber, MIC, stated that there are State Local GIS Users Meetings scheduled around the state during July and August. Looking forward to having people from this group attend. At this time there are meetings scheduled for northwest Michigan, Grand Traverse County, a couple locations in the Upper Peninsula, and the southwest Michigan area. There is interest from the local areas in interacting and dialoging with state and federal agencies regarding projects and sharing and exchange of information. Will be talking with members of the group when dates are firm to see if they are available to participate.

XIV.   Next Meeting Date
     July 13, 2000, 10 a.m. until 12 p.m., George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48913

** If any changes or corrections are to be made to these minutes, please contact the Michigan Information Center at (517) 373-7910

Please note the Michigan Information Center moved on July 1, 2000.

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